

X-Ray Scattering in Deformed Tungsten

77709
SOV/148-60-1-32/34

1953; R. W. James, Optical Principles of the
Diffraction of X-Rays, MacMillan, N. Y.

ASSOCIATION: Petrozavodsk State University (Petrozavodskiy
gosudarstvennyy universitet)

SUBMITTED: October 27, 1958

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X-Ray Scattering in Deformed Tungsten

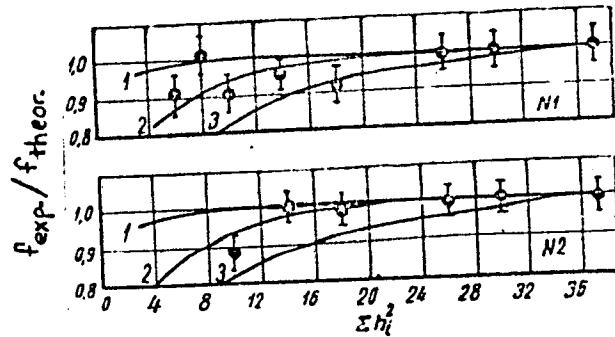
77709
SOV/148-60-1-32/34

Fig. 1. Comparison of the experimental data with those computed theoretically and corrected for primary extinction according to the Darwin equation. (1) $D = 1 \cdot 10^{-5}$; (2) $D = 5 \cdot 10^{-5}$; (3) $D = 1 \cdot 10^{-4}$ cm.

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S/857/62/000/029/002/003
E193/E383

AUTHORS: Shivrin, O.N. and Teplitskaya, E.L.

TITLE: Structural defects in steel tested at stresses higher than the fatigue limit

SOURCE: Leningrad. Inzhenerno-ekonomicheskiy institut. Trudy. no. 29. 1962. Primeneniye rentgenovykh luchey k issledovaniyu materialov. 155 - 160

TEXT: According to some workers (e.g. Ye.A. Mamontov - Uch. zap. Len. gos. ped. in-ta im. Gertseva, v.125, 31, 1956), a sharp decrease in the intensity of X-ray diffraction can be taken as an indication that the metal has been stressed beyond the fatigue limit. This view, however, has not been supported by the results of some recent investigations (A. Kokhanovskaya - Chekhoslovatskiy fizicheskiy shurnal, 4, 3, 381, 1954) and this has prompted the present authors to study this problem in greater detail. Experimental work was conducted on a steel containing 0.16% C, 0.02% Si, 0.3% P, 0.54% S and 0.34% Mn. Standard, rotating-beam type fatigue test pieces with a notch (5 mm wide, 0.5 mm deep) were used; they were given a preliminary annealing treatment of 2 hours

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at 700 °C. After determining the fatigue limit of the steel (18 kg/mm²) specimen tests were conducted at a stress 20% higher than the fatigue limit, the duration of the tests ranging from 1 000 to 1 164 000 cycles, the latter figure representing the number of cycles to fracture. The object of the X-ray analysis was to study a) the changes in the Laue back-reflection pattern obtained for a stationary test piece and b) the crystal-lattice distortion as indicated by the broadening of the lines and decrease in their intensity. In the latter case, both the specimen and the film were rotated and the results obtained with the aid of Cr-K_α, Fe-K_α and Co-K_α radiation were compared with those yielded by a standard specimen of armco-iron powder annealed at a temperature near to the recrystallization temperature. For better assessment of the extinction effects, patterns were obtained under conditions giving the values of Q/μ ranging from 0.3 - 1.1 (Q - refractivity of a unit volume, μ - absorption coefficient). Results: cyclic stressing of steel above the fatigue limit was not accompanied by the formation of defects of the second type. The

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only noticeable effect was misalignment of blocks indicated by tangential blurring of the spots on the Laue-back-reflection patterns and by weakening of the secondary extinction effect for reflections with high values of Q/μ . No significant distortions of the third type were observed in steel tested above the fatigue limit; this, however, could be attributed to the highly localized nature of fatigue and the impossibility of locating the region of maximum distortion. There are 2 figures and 1 table.

Card 3/3

USSR/Human and Animal Physiology - Physiology of Work and Sport. T-12

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32289

Author : Teplytskaya, E.O.

Inst :

Title : Process of Fatigue and Recovery in Man in Industrial Conditions.

Orig Pub : Fiziol. zh AN USSR, 1956, 2, No 5, 68-74

Abstract : The great tiresomeness of work participation predominantly of the wrists and fingers was established by investigations of professional work ability and of the indices which indirectly characterize it. Changes are noted of capillary blood formation and of skin temperature under the influence of fatigue. The effectiveness was investigated of various types of rest and of their duration and the predominance shown by active rest and change of activity. The influence was studied of local temperature effects on the capillary blood formation of the skin and the functional

Card 1/2

TEPLITSKAYA, E.V.

USSR/Cultivated Plants - Technical Oleaceae, Sugar Plants

M-7

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1673

Author : D.F. Likhvar, E.V. Teplitskaya, O.E. Sheredeko

Inst : Not Given

Title : On Cultivating the Olive Milkwort (Euphorbia)

Orig Pub : Pratsi In-tu agrobiol., AN URSR, 1957, 7, 92-102

Abstract : In the Kiev Botanical garden of the Academy of Sciences Ukrainian SSR, a variety of olive milkwort (Euphorbia lathyris L.) was cultivated. Planting took place in the autumn 20-30 days before the freezing of the soil. Its seeds contain 40-50% oil, and its kernels 65-70%. The yield of seeds averages 15 centners per hectare, but can reach 30 c/h. The amount of oil yield approaches that of the sunflower. The oil contains a great deal of oleic acid which permits its use in the textile and perfume industry. It can also be used in the soap manufacturing industry, but it is unfit for lubrication and the preparation of drying oil. The nutritive properties of the oil have not been studied as yet. The plants and seeds are toxic which makes the commercial introduction of the plant difficult.

Card : 1/1

TEPLITSKAYA, F. S.; FRISHMAN, N. A.; VEITSMAN, K. M.

"Experiments on the Antigenic and Immunogenic Properties of "Associated" Anavaccineformalin Vaccine, and Heated Pentavaccine," Trudy Instituta Epidemiologii i Mikrobiologii Ministerstva Zdravookhraneniya Kirgizkoy SSR, Frunze, Vol 1, 1951, pp 16-20.

TEPLITSKAYA, F. S.; VEITSMAN, K. M.; FRISHMAN, N. A.

"Experiments With Leucocyte Changes and Reaction of Erythrocyte Sedimentation in
Rabbits Immunized with Pentavaccine," Trudy Instituta Epidemiologii i Mikrobiologii
Ministerstva Zdravookhraneniya Kirgizskoy SSR (Works of the Institute of Epidemiology
and Microbiology of the Ministry of Public Health Kirgiz SSR) Frunze, Vol 1, 1951,
pp 21-23.

Teplytskaya, F.

USSR/Pharmacology, Toxicology. Chemotherapeutical Preparations

V-7

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 23476

Author : Teplytskaya F.S.

Inst : Not Given

Title : On the Problem of Therapeutic Action of Paraaminosalicylic Acid in Experimental Tuberculosis

Orig Pub : Sov. Zdravookhr. Kirgizii, 1956, No 3, 43-47

Abstract : After the infection of guinea pigs with a virulent tubercular culture of the bovine type in a 0.00001 mg dose which caused the death of the animals in 70-90 days, on the 4th or 24th day following the infection the animals were administered paraaminosalicylic acid for 48 days in a daily dose of 1 g. It was shown that the treated animals ran a more benign course of the tubercular process, with less toxicity. In the treated animals productive manifestations predominated with an inclination to fibrosis. But the use of paraaminosalicylic acid did not prevent the development of the tubercular process. On the 3-5th day after the administration of paraaminosalicylic acid some animals developed diarrhea, became lifeless, their hair

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- USSR/Pharmacology, Toxicology. Chemotherapeutical Preparations

V-7

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 23476

became disheveled; these occurrences passed and were not exhibited any more during the treatment. A prolonged paraaminosalicylic acid administration in healthy animals did not cause any toxic phenomena.

Card : 2/2

TEPLITSKAYA, N.V.

20-2-47/67

AUTHOR BELEVTSOV N.Ya., TEPLITSKAYA N.V.
TITLE A Case of Secondary Concentration of Ferriferous Quartzites of the
Olenegorsk Deposit.
PERIODICAL (Sluchay vtorichnogo obogashcheniya zhelezistykh kvartistov ny
Olenegorskoy mestorozhdenii .-Russian)
Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 2, pp 411-413 (U.S.S.R.)
Received 6/1957 Reviewed 7/1957

ABSTRACT Ferroferous quartzites which lie among old archaic gneiss are widely
despread over the U.S.S.R. (Ukraine, Ural, Aldan and Kola-peninsula). By several peculiarities they differ from the ferriferous hornblades and gospilites from Krivoy Rog and the KMA (-Kursk magnetic Anomaly). Iron-quartzites are used as raw material for the production of blast furnace agglomeration. So far important deposits of rich iron-ores have never been found among them. The iron containing quartzite from Olenegorsk (Kola-peninsula) is a streaky rock, consisting of ore-containing and ore-free alternating intermediate layers. They are not workable, but are interesting from a scientific point of view, as they demonstrate the secondary concentration process and canthus refer to the possible occurrence of rich workable ores; the ore-layers (0.5.-12 mm thick) here mainly consist of magnetite with considerable quantites of quartz and smaller quantites of hematite, amphibolite and pyroxene. The two former form intercrescences and idiomorphic crystals. Spaces are filled by non-ore minerals. The ore-free layers (0.3-15 mm) consist of quartz, at times with

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A Case of Secondary Concentration of Ferriferous
Quartzites of the Olenegorsk Deposit.

20-2-47/87

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subordinate quantities of amphibolite, pyroxene and biotite. Iron content of the quartzites fluctuates between 23 and 27 up to 36%, on the average - 33%. The "vein" of the rich iron-ore (ill.1) lies between amphibolite-magnetite-quartzites with an inclination of 25-36° towards the streakiness of the latter and has a steep incline (60-65°) towards the south. When unearthing them they can be followed for 7-8 m. Their complicated folding which usually ceases in contact with quartzite is characteristic. Ore consists of: magnetite 59%, haematite 12%, amphibolite 18% and quartz 8%. Amphibolite can be classed within the actimolite series. Pyroxene is intermediate between aegirine and augite. In contact with ore, quartzite is concentrated by amphibolite and pyroxene, which here replaces quartz and which mostly deposit in the intermediate layers of quartz as margins along the borders of the intermediate layers of ore. Iron-quartzites here contain: 3.5% haematite, 5.1% amphibolite and 5% pyroxene. A great similarity of the mineralogical and incidentally also of the chemical composition as well as of the constitution of the ore quartzites and iron-ores can be noticed, except for different quantities of iron and silicic acid. Thus the secondary concentration of the iron quartzites consists in the increase of content of ore minerals: Pyroxene and amphibolite, which replace quartz in ore containing and ore-free intermediate layers. Such a mineral-paragenesis could develop in the ore on the occasion of a certain surplus of Fe, Mg, Ca, Na, and Al. The Fe-increase in the

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A Case of Secondary Concentration of Ferriferous
Quartzites of the Olenegorsk Deposit.

~~REF ID: A6500~~
20-2-47/67

ore can also be explained by its motion within the quartzite layers. With regard to time the secondary concentration can be placed into the period of the general metamorphism of the sediments and of the formation of the respective rocks. Similar modifications of rock composition are also known at several places of the Ukraine. In Olenegorsk the "veins" can represent a symptom for the presence of workable deposits of rich iron-ores
(With 1 schedule, 2 illustrations, 2 citations from Slavic publications).

ASSOCIATION Institute for Geological Sciences of the Academy of Science, UK. SSR
PRESENTED BY KORZHINSKIY D.S., Member of the Academy
SUBMITTED 16.3.1956
AVAILABLE Library of Congress
Card 3/3

AYZENBERG, D.Ye.; BELEVTSOV, Ya.N.; BORDUMOV, I.N.; BORISENKO, S.T.;
BULKIN, G.A.; GORLITSKY, B.A.; DOVGAN', M.N.; ZAGORUYKO,
L.G.; KAZAKOV, L.R.; KALYAYEV, G.I.; KARASIK, M.A.; KACHAN,
V.G.; KISELEV, A.S.; LAGUTIN, P.K.; LAZARENKO, Ye.K.;
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V.A.; LEVINSHTEYN, M.L.; MALAKHOVSKIY, V.F.; MITKEYEV, M.V.;
PRUSS, A.K.; SKARZHINSKIY, V.I.; SKURIDIN, S.A.; SOLOV'YEV,
F.I.; STRYGIN, A.I.; SUSHCHUK, Ye.G.; TEPITSKAYA, N.V.;
FEDYUSHIN, S.Ye.; FOMENKO, V.Yu.; SHKOLA, T.N.; SHTRINOV,
A.G.; YAROSHCHUK, M.A.; ZAVIRYUKHINA, V.N., red.

[Problems of metallogeny in the Ukraine] Problemy metallo-
genii Ukrayiny. Kiev, Naukova dumka, 1964. 254 p.
(MIRA 18:1)

1. Akademiya nauk URSR, Kiev. Instytut geologichnykh nauk.

TEPLITSKAYA, R.A.

Controlling pitch problems. Bum.prom. 35 no.6:22-24
(MIRA 13:7)
Je '60.

1. Nachal'nik otdela tekhnicheskogo kontrolya i laboratorii
Neman'skogo tsellyulozno-bumazhnogo kombinata.
(Neman—Papermaking machinery) (Pitch)

TEPLITSKAYA, O.I. [Teplyts'ka, O.I.]

Investigating the working capacity of finger and wrist muscles by
the use of a dynamograph. Fiziol. zhur. [Ukr.] 7 no.1:147-150 Ja-Y
'61. (MIRA 14:1)

1. Kafedra normal'noy fiziologii Kyivskogo meditsinskogo instituta
im. akad.A.A.Bogomol'tsa.
(MUSCLES) (DYNAMOMETER)

1. TEPLITSKAYA, R. B.
2. USSR (600)
4. Stars, Variable
7. Five variable stars.
Per. zvezdy 8 No. 3, 1951

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

TEFLITCKAYA, N. B.

Stars, Variable

AC Geminorum, Per. zvezdy 8, No. 4, 1951.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

TEPLITSKAYA, R.B., starshiy nauchnyy sotrudnik.

Colorimetry of the outer corona of the sun, February 25, 1952.
Dop.ta pov.L'viv.un. no.4, pt.2:75-76 '53. (MLRA 9:11)

(Sun--Corona)

TEPLITSKAYA, R.B.

Photometry of the outer solar corona. T3ir.Astron.obser..
L'viv.un. no.27:23-43 '53 (MIRA 13:10)

(Sun--Corona) (Photometry, Astronomical)

TEPLITSKAYA, R.B.

Development curves for points on the edge of the solar disk. Astron.
tsir.no.172;10-12 Ag '56. (MIRA 10:1)
(Spectrum, Solar)

3.1340.

7/16/01
R.D.P./JL - JF - 10/16/01AUTHOR: Teplytakaya, R. B.TITLE: A Comparison of the Curves of Growth in the Center and at the Limb of the Solar DiskPERIODICAL: Astronomicheskiy zhurnal, 1960, Vol 37, No 1,
pp 51-63 (USSR)ABSTRACT: This problem has been investigated previously by several authors. The present work considers the behaviour of Fe I and Ti I lines and covers a wide range of the curve of growth. The theoretical curves were computed by the method of weighted functions as expanded by J. C. Pecker. Following this method the author plotted the computed equivalent widths $W_\lambda / \Delta \lambda_D$ against $\log X_0$ defined as:

$$\log X_0 = \log \frac{1}{\pi} LK \int_{-\infty}^{\infty} \frac{e^{-x^2}}{\sqrt{\pi}} g'_\lambda A dx, \quad (5)$$

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A Comparison of the Curves of Growth In
the Center and at the Limb of the Solar Disk

78007

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Here $L = (\varepsilon_I/\varepsilon_H)g\mu f\lambda$; $\mu = \cos\theta$ (θ is the angle
of the ray of light with respect to the normal);
 χ_0^j , the coefficient of continuous absorption; ε_λ^j ,
the weight function for the case of pure absorption;
 ζ , the fraction of atoms in the ground state; $\varepsilon_I/\varepsilon_H$,
the relative number of atoms of a given element; ξ ,
velocity of the atoms and of the radial velocity of
the microturbulence; $\log K = 21.767$ (for the average
molecular composition of the sun; $A(x) = (1/M_{\odot}) \cdot 10^x$;
and g , the absolute value of the oscillator strength
multiplied by the statistical weight of the line.
The computation is carried out for 22 multiplets of Fe
I and 10 multiplets of Ti I. Two solar models were
used: one, Vitense II-Voigt, and the other, Jager
VII. The observed curves of growth were constructed
from photographs of spectra obtained at the Lvov

cont 2A

A Comparison of the Curves of Growth in
the Center and at the Limbs of the Solar Disk

PL-107
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Observations in 1954, later were confirmed by the author in her work in 1964. The plot of the observed equivalent widths shows that they are practically independent of the oscillator strength values assumed by various authors. Similarly there is little if any dependence on the excitation potential of various lines. However, the theoretical curves of growth computed for the solar limb differ appreciably from those computed for the center. The observed variation agrees with the theoretical more closely when the Vitense II-Voigt model is used. The turbulence velocities increase slightly from optical depth of 0.04 upwards. Strong iron lines with large values of excitation potential are poorly described by the theory, both for the center and the limb of the sun. Since they all originate at the odd levels, this fact tends to confirm the parity effect first discovered by W. W. Carter. The author

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and to members of the Bureau's Technical Division,
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and the preparation of the data tables and figures;
S. V. Kostin, S. M. Kostylev, N. S. and N. K. reference
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G. W. Allen, A. S. Arred, Ministry of Defense, Royal Air Force
Station, Farnborough; G. W. Allen, A. S. Arred, Ministry
of Defense, Royal Air Force Station, Farnborough; J. H. Waddell,
U.S. Embassy, Moscow.

ASSOCIATION:

International Observatory of the Ministry of State
University in Chelyabinsk (Avtomobilistskaya 18, Chelyabinsk)
Submitted by the Head of the Institute of Mathematics;

SUBMITTED
Card 4/1

May 31, 1959

S/169/62/000/002/053/072
D228/D302

AUTHORS: Kramer, Ye. N., Rudenko, O. A. and Teplitskaya, R. B.

TITLE: Calculating the elements of the geocentric orbit of meteors

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1962, 3, abstract 2G16 (Mezhdunar. geofiz. god. Inform. byul., no. 3, 1961, 71-78)

TEXT: The method used at the Odesskaya astronomiceskaya observatoriya (Odessa Astronomic Observatory) for measuring meteor photographs is stated. Schemes are given for calculating the radiant coordinates, heights, speeds, and braking of meteors at different points on their trajectories. These magnitudes are used as original quantities for calculating the atmosphere's density and temperature in the meteor zone (a height of 70 - 120 km). Abstracter's note:
Complete translation. ✓

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3.1230
3.2440

S/831/62/000/008/012/016
E032/E114

AUTHORS: Kramer, Ye.N., Teplitskaya, R.B., Rudenko, O.A.,
Izrayetskaya, N.N., and Vorob'yeva, V.A.

TITLE: Photographic observations of meteors of Odessa

SOURCE: Ionosfernyye issledovaniya (meteory). Sbornik stately,
no.8. V razdel programmy MGG (ionosfera). Mezhdunved.
geofiz. kom. AN SSSR. Moscow, Izd-vo AN SSSR, 1962,
75-96

TEXT: The Odesskaya astronomicheskaya observatoriya (Odessa
Astronomical Observatory) has been carrying out photographic
observations of meteors from three points, namely, Mayaki (A),
Kryzhanovka (B), and the Botanical Gardens (C). The base-line
lengths are AB = 44896 m, AC = 38622 m, and BC = 13582 m. Each
photographic installation consists of four HAΦR -3c/25 (NAFA-3s/25)
cameras ($F = 25$ cm, D:F = 1:2.5, field of view $39^\circ \times 53^\circ$). At the
point A one of the cameras is pointed towards the zenith and the
remaining cameras point East, South and West at angles of 35° to the
vertical. The photographic cameras at points B and C are set up so
that the common region for all the stations is at a height of

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✓B

Photographic observations of ...

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80-100 km. All the cameras are fixed. Time markers are produced by a variable shutter. Observations carried out during 1957-1958 show that the NAFA-3s/2j cameras are not sufficiently effective for meteor astronomy. They have inadequate objective resolution and are subject to mechanical vibrations which give rise to defocussing. The vibrational effects were later localised and isolated. The photography was carried out on type ДК(DK) films (sensitivity 300-350 GOST units). The development was carried out automatically. A calendar of the observations is reproduced covering the period July 1957 to December 1958. A detailed algebraic scheme is outlined for the determination of the coordinates, heights, velocities and decelerations. Estimates are also given of experimental errors in these quantities. In a typical case the errors in the height, velocity (at 54.15 km/sec) and deceleration (at 15.2 km/sec²) were found to be \pm 0.09 km, \pm 0.42 km/sec and \pm 2.6 km/sec² respectively. The magnitude of the meteors was determined with the aid of a special apparatus producing an "artificial meteor". In addition comparisons were made with the diurnal motion of stars (cf. preceding abstract). The atmospheric density was calculated

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Photographic observations of ...

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from formulae reported by L.G. Jacchia [Technical reports nos. 2, 3 and 10 (Harvard reprints series II, nos. 26, 31 and 44 respectively)]. Detailed numerical results are reproduced. Altogether 106 base line photographs were obtained, 23 of which were recorded at all three points. A detailed catalogue is reproduced showing the geocentric and heliocentric elements and other information for 16 meteors recorded in 1958. There are 4 figures and 5 tables.

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TEPLITSKAYA, R. B.

Dissertation defended for the degree of Candidate of Physicomathematical Sciences at the Main Astronomical Observatory in 1962:

"Change in Growth Curves Near the Edge of the Solar Disk."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

TEPLITSKAYA, R.B. ; VOROB'YEV, V.A.

Determination of chemical composition of the solar atmosphere.
Astron.zhur. . 40 no.6 :1016-1024 N-D '63. (MIRA 16:1²)

1. Astronomiceskaya observatoriya Odesskogo gosudarstvennogo
universiteta.

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VELIKOVSKAYA, E.M.; VENYAEV, A.P.; VENYAEV, G.I.; ARSHAVY, V.A.; BYKOVSKIY,
Ye.N.; LIHOVETSKIY, I.A.; LONTSHEV, A.N.; FILIPOVSKAYA, V.I.; SAVOCHKINA,
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ZEZIN, R.B.; TEPLOVSKAYA, T.A.; BRUSILOVSKIY, S.A.; KISSIN, I.G.;
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Supplements. Biul. MOIP. Ctd. geol. 39 no.4:155 Jl-Ag '64.
(KIRA 17:10)

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Color and the luminescence of hematite. Dokl. AN SSSR 163 no.2:
450-453 J1 '65. (MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet. Submitted March 5, 1965.

FLOROVSKAYA, V.N.; TEPLITSKAYA, T.A.; PIKOVSKIY, Yu.I.

Aromatic hydrocarbons in rocks and minerals of hydrothermal
deposits. Zhur. prikl. spekt. 3 no. 2:162-167 Ag '65.
(MIRA 18:12)

1. Submitted Sept. 3, 1964.

PERSONOV, R.I.; TEPLITSKAYA, T.A.

Quantitative determination of some polynuclear aromatic hydrocarbons based on their quasilinear fluorescence spectra. Zhur. anal. khim. 20 no.10:1125-1132 '65. (MIRA 18:11)

I. V. I. Lenin Moscow State Pedagogical Institute and M.V.
Lomonosov Moscow State University.

TITI SHAYA, Y.S.C.

"Processes of Fatigue and Recovery During Work of Groups of Small Animals." Cand. Med. Sci., Lvov State Medical Inst., Kiev, 1954. (BZMBiol, No 6, Apr 55)

DO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissemination and Defense at USSR Higher Educational Institutions (1/).

TEPLITSKAYA, YE.O.

Stereotype of the cerebral cortex in the study of labor and rest.
Vop. fiziolog. no.7:69-73 '54. (MLRA 8:1)

1. Ukrainskiy institut kommunal'noy gigiyeny.
(CEREBRAL CORTEX, physiology.
in work & rest)
(WORK,
cerebral cortex in work & rest)
(REST,
cerebral cortex in work & rest)

TEPLITSKAYA, Ye.O.

Fatigue and restoration processes in man under industrial conditions.
Fiziol. zhur. [Ukr.] 2 no.5:68-74 8-0 '56. (MIRA 10:1)

1. Naukovo-doslidnyi institut komunal'noi gigiyeni, laboratoriya
fiziologii, Kiiv.
(FATIGUE) (WORK)

IZRALIMSKIY, A.S.; TPLITSKAYA, Ye.S.

Opsonocytophagic reaction with dysentery bacteria in early
childhood. Pediatriia, no.5:46-49 S-O '55. (MLRA 9:2)

1. Iz Dnepropetrovskogo instituta epidemiologii, mikrobiologii i
gigiyeny imeni N.F. Gamalei (dir.-kandidat meditsinskikh nauk A.S.
Gromov)

(DYSENTERY, BACILLARY, immunol. inf. and child
opsono-phagocytic reaction)

(PHAGOCYTOSIS, in various dis.
dysentery, bacillary, psono-phagocytic reaction in child)

TEPLITSKAYA, Ye.S.; MALAYA, L.P.; MIRGORODSKAYA, A.K.; SHEYKO, Z.A.;
KOGAN, TS.I.; OSIPOVA, Ye.S.; GIRGORASH, N.G.; PANKRATOVA, V.S.;
GORBACHEVA, L.Ye.

Species of dysentery pathogens encountered in 1959 in certain regions
of Dnepropetrovsk Province and their sensitivity to the dysentery
bacteriophage and antibiotics. Vrach. delo no.9:116-118 S '61.

(MIRA 14:12)

(DNEPROPETROVSK PROVINCE--SHIGELLA)
(BACTERIOPHAGE) (ANTIBIOTICS)

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REF ID: A64742
MIKUL'SKIY, A.A., TEPLITSKAYA, Ye.

Variation in the amount of fat, carbohydrates, and nitrogenous substances in chufa during growth, storage, and sprouting. Trudy Bot. sada AN URSR 3:106-118 '55. (MLRA 10:6)
(Chufa) (Plants--Chemical composition)

KHARKOVICH, S.S.; TEPLITSKAYA, Ye.V.

Biological and economic features of *Crambe cordifolia* Stev.
Bot. zhur. 43 no.12:1734-1740 D '58. (MIRA 11:12)

1. Botanicheskiy sad AN Ukrainskoy SSR, Kiyev.
(Kale)

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TEPLITSKIY, A.V.
BARTENEV, Prokofiy Vasil'yevich, prof., doktor tekhn. nauk; PARFENOV, Viktor Prokhorovich, dots., kand. tekhn. nauk; PODKALINER, S.N., dots., kand. tekhn. nauk; LABAZIN, P.S., dots.; LIAKHNIITSKIY, V.Ie., prof., doktor tekhn. nauk, zasluzhennyj deyatel' nauki i tekhniki, red.; SOLOV'YEV, A.P., inzh., red.; TYUMENOV, N.A., inzh., red.; NOVIKOV, A.A., glavnnyj marshal aviatsii, red.; TEMPLITSKIY, A.V., glavnnyj inzn., red.; TSARENKO, A.P., red.; KHITROV, P.A., tekhn. red.

[Water, road, air, and industrial transportation] Vodnyi, avtodorozhnyi, vozdushnyi i promyshlennyi transport. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 303 p. (MIRA 11:10)

1. Leningradskoye otdeleniye instituta proektirovaniya promyshlennogo transporta (for Teplitskiy).
(Transportation)

PROTASOV, Konstantin Georgiyevich; TRELITSKIY, Aleksandr Vladimirovich;
KRAMAREV, Sergey Yakovlevich; NIKITIN, Matislav Konstantinovich;
ZELEVICH, P.M., inzhener, redaktor; KHITROV, P.A., tekhn.red.

[Metal bridges; construction and design] Metallicheskie mosty;
konstruktsii i proektirovaniye. Moskva, Gos.transp.shel-dor.isd-vo,
1957. 456 p. (MIRA 10:12)

(Bridges, Iron and steel)

TEPLITSKIY, B.M.; POSTERNYAK, Ye.F., inzh., red.; GVIERTS, V.L., tekhn.red.

[Standardized series of small-module gear cutters] Unifitsirovannaya gruppa melkomodul'nykh zubofrezernykh stankov. Leningrad, 1955.
14 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy.
Informatsionno-tekhnicheskii listok, no.102(790)) (MIRA 10:12)
(Gear-cutting machines)

SOV/137-58-8-16498

Translation from: Referativnyy zhurnal Metallurgiya, 1958, Nr 8, p 38 (USSR)

AUTHORS: Teplitskiy, B.M., Ploshchenko, Ye.A.

TITLE: First 500-ton Open-hearth Furnace Placed in Operation at the im. Voroshilov Metallurgical Plant (Pervyy opyt ekspluatatsii 500-t martenovskoy pechi na metallurgicheskem zavode im. Voroshilova)

PERIODICAL: Byul. nauchno-tekhn. inform. Ukr. n.-i. in-t metallov, 1957, Nr 2, pp 25-30

ABSTRACT: The furnace (F) employs approximately 60% of cast iron in the charge of the scrap-ore process. A mixture of coke and blast-furnace gases serves as fuel, the flame being enriched with fuel oil. The Venturi-type nozzles are equipped with ducts at their ends permitting the passage of compressed air. The thermal regime is controlled automatically. The chromium-magnesite crown is of the buckstay-and-tie-rod type. It was established, during actual operation, that the gas opening should be raised by 150-200 mm, the slope of the rear wall be changed from 53°50' to 48°, and the diameter of the air/waste-gas valve be increased to 1800 mm. Compared with the 250-ton

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SOV/137-58-8-16498

First 500-ton Open-hearth Furnace Placed in Operation (cont.)

furnace, the 500-t furnace has a somewhat smaller oxidizing capacity, but the conduct of the smelting procedures remains essentially identical. See also RZhMet, 1958, Nr 7, abstract 17383.

V.G.

1. Open hearth furnaces--Operation

Card 2/2

SMIRNOV-ALYAYEV, G.A., prof., doktor tekhn. nauk; VAYNTRAUB, D.A.,
kand. tekhn.nauk; MAZO, S.G., inzh., retsenzent; TEPLITSKIY,
B.M., kand. tekhn.nauk, red.; VARKOVETSKAYA, A.I., red.izd-
va; CHFAS, M.A., red.izd-va; PETERSON, M.M., tekhn. red.

[Cold forging and sheet-metal work in the manufacture of
instruments] Kholodnaia shtampovka v priborostroenii. Izd.2.,
perer. i dop. Moskva, Mashgiz, 1963. 434 p. (MIRA 17:1)

SMIRNOV-ALIAYEV, G.A., prof., doktor tekhn. nauk; VAYNTRAUB, D.A.,
kand. tekhn.nauk; MAZO, S.G., inzh., retsenzent; TEPLITSKIY,
B.M., retsenzent; SVERDLOV, M.I., kand. tekhn. nauk, red.;
VARKOVETSKAYA, A.I., red.izd-va; CHFAS, M.A., red. izd-va;
PETERSON, M.M., tekhn. red.

[Cold stamping in the manufacture of instruments] Kholodnaia
shtampovka v priborostroenii. Izd.2., perer. i dop. Mo-
skva, Mashgiz, 1963. 434 p. (MIRA 16:11)
(Instrument manufacture) (Forging)
(Sheet-metal work)

KOCHO, V.S., doktor tekhn. nauk; GRANKOVSKIY, V.I., kand. tekhn. nauk;
PERELOMA, V.I., inzh.; DRYAPIK, Ye.P., inzh.; TEPLITSKIY,
B.M., inzh.; GLOBA, N.I., inzh.; STREL'CHENKO, Yu.G., inzh.

Heating open-hearth furnaces with hot natural gas. Met. i
gornorud. prom. no.5:65-66 S-0 '63. (MIRA 16:11)

1. Kiyevskiy politekhnicheskiy institut (for Kocho,
Grankovskiy, Pereлома). 2. Kommunarskiy metallurgicheskiy
zavod (for Dryapik, Teplitskiy, Globa, Strel'chenko).

TEPLITSKIY, B.M.; VITENBERG, Yu.R., kand. tekhn. nauk, retsenzent;
LEYKINA, T., red.; KUREPINA, G.N., red.

[Dividing heads and their use] Delitel'nye golovki i rabota
na nikh. Moskva, Mashinostroenie, 1964. 215 p.
(MIRA 17:8)

KOCHO, V.S.; GRANKOVSKIY, V.I.; PERELOMA, V.A.; ANTOSYAK, V.G.; DRYAPIK,
Ye.P.; TEPLITSKIY, B.M.; GLOBA, N.I.; STREL'CHENKO, Yu.G.

Temperature conditions of an open-hearth furnace heated with
selfcarburetting natural gas. Stal' 24 no.10:892-893 O '64.
(MIRA 17:12)

1. Kiyevskiy politekhnicheskiy institut i Kommunarskiy metallurgicheskiy
zavod.

TEPLITSKIY, B.Ye., inzh.

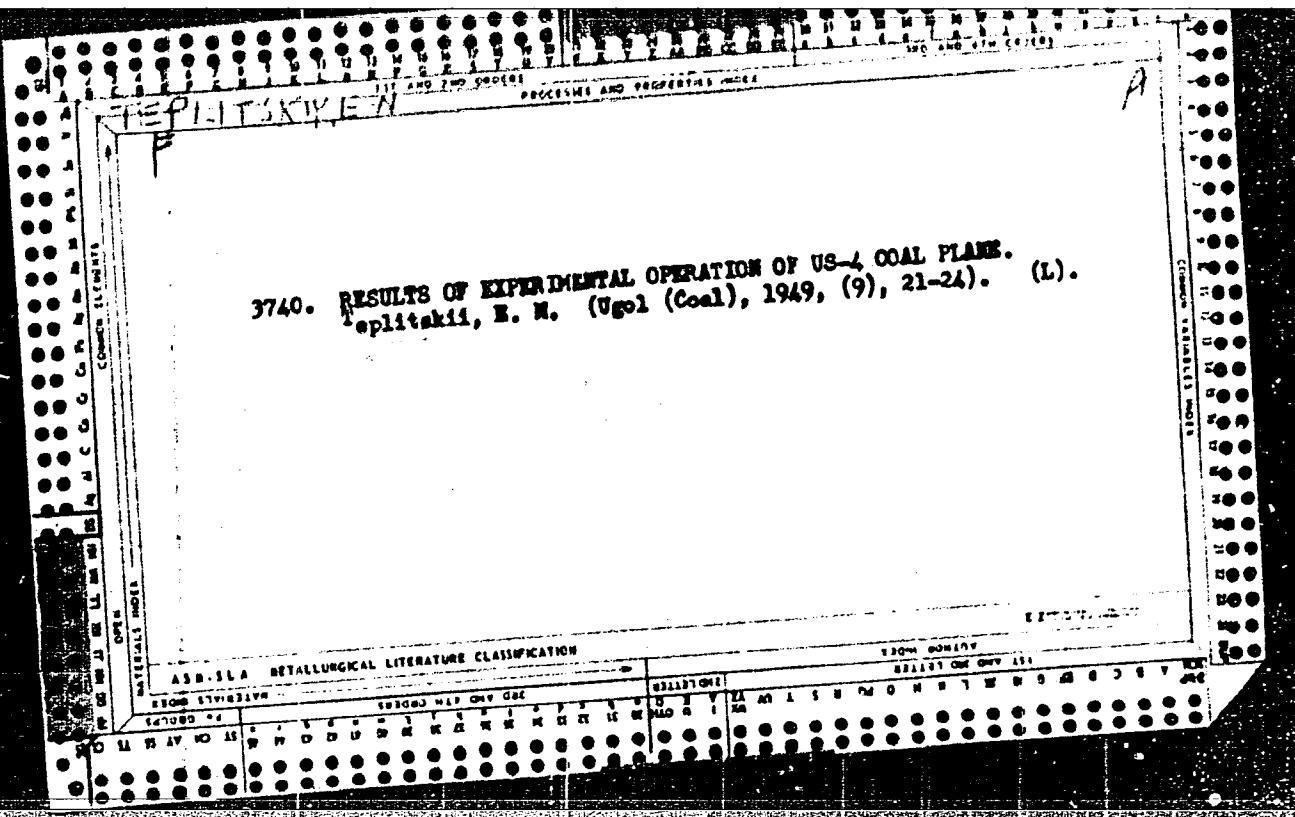
Universal lead-in devices for enclosed electric motors.
Prom.energ. 19 no. 4:12-14 Ap '64. (MIRA 17:5)

TEPLITSKIY, D.B.; MEL'NIKOV, A., tekhnred.

[My experience in adjusting automatic lathes] Moi opyt naladki
tokarnykh avtomatov. Tashkent, Gos.izd-vo Uzbekskoi SSE, 1959.
24 p.

(MIRA 14:3)

(Lathes--Maintenance and repair)



TEPLITSKIY, A.S.

Morphologic behavior of the partial and complete filtrations
in the complex plane of angular velocity. J. M. Z. M. 1973,
no. 3:545-557. p. 163.

1. Tbilisskiy resudarstvennyy universitet. Fizicheskaya
chlenov-korrespondentsii AM SSSR. N.N. Tikhonov et al.

ACCESSION NR: AP4045202

S/0251/64/035/002/0293/0298

AUTHOR: Mestvirishvili, M.A., Teplitskly, E. Sh.

TITLE: Quasistationary levels in a cylindrical magnetic field

SOURCE: AN GruzSSR. Soobshcheniya, v. 35, no. 2, 1964, 293-298

TOPIC TAGS: magnetic field, cylindrical magnetic field, quasistationary level, Regge pole, resonance, scattering, Landau level

ABSTRACT: The Regge-pole method, used in quantum mechanics for describing resonant states by analytical continuation of the scattering amplitude in the angular momentum complex-plane, is used to examine an idealized case of scattering by a potential having cylindrical symmetry. The scattering matrix is written out in terms of Hankel and degenerate hypergeometric functions and the bound states (Landau levels) determined for $F = 0$. The solution is then analytically continued into the complex plane and the S-matrix determined, and from this the T-matrix in terms of the scattering angle. Only the asymptotic case is considered as the Regge poles cannot be found in the general case. The meaning of the Regge poles is explained by comparison with the Breit-Wigner formula for resonant scattering so as to obtain the width of the resonance levels. "The

Card 1/2

TEPLITSKIY, G. A.

USSR/Academy of Sciences
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May 1948

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Academics, Corresponding Members of Academy of Sciences, and Other
Workers in Department of Technical Sciences, Academy of Sciences USSR,"
edited by F. B. Bychkin, G. A. Teplitskiy, 12 pp

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 5

Article and books cover: automatics, telemechanics, geology and
petrography, hydrology and hydrotechnology, mining, machine studies,
history of science and technology, metallurgy and metal studies, mechanics
and mathematics, radio technology, dressing of minerals, scientific and
technical terminology, calculating machines, thermal technology, fuel,
transportation, chemistry, electrical technology, electric welding, and
power engineering. Also lists journals consulted before compilation
of this bibliography.

PA 76T2

ANAN'YEV, S.P., kandidat tekhnicheskikh nauk; TEPLITSKIY, G.A., redaktor.

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1953. 159 p.

(MLRA 7:3)
(Mine timbering)

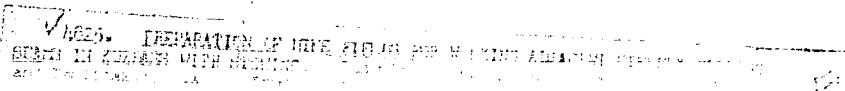
BOKIY, B.V.; TEPLITSKIY, G.A., redaktor; TRAKHMAN, A.I., redaktor;
SEUSHKOVSKAIA, Ye.L., redaktor; STEPAN, Ye.G., tekhnicheskiy redaktor.

[Mining industry] Gornye delo. Moscow, Ugletekhnizdat, 1953. 743 p.
(Mining engineering) (MLRA 7:7)

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TEPLITSKY - A



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TERPIGOROV, A.M., akademik, redaktor; AGOSHKOV, M.I., redaktor;
BARON, L.I., doktor tekhnicheskikh nauk, redaktor; PROTOD'YA-
KONOV, M.M., doktor tekhnicheskikh nauk, redaktor; FAYERMAN,
Ye.M., doktor tekhnicheskikh nauk, redaktor; TEPITSKIY, G.A.,
kandidat tekhnicheskikh nauk, redaktor; RATHIKOVA, A.P.,
redaktor; KOROVENKOVA, Z.A., tekhnicheskiy redaktor.

[Problems in the disintegration and thrust of rock; on the 25th
anniversary of the death of M.M.Protod'iakonov] Voprosy raz-
rushenia i davleniya gornykh porod; k 25-letiiu so dnia
smerti professor M.M.Protod'iakonova. Moskva, Ugletekhnizdat,
1955. 313 p.
(MLRA 8:12)

1. Akademiya nauk SSSR. Institut gornogo dela. 2. Chlen-korres-
pondent AN SSSR (for Agoshkov)
(Earth pressure) (Mining engineering)
(Protod'iakonov, Mikhail Mikhailovich, 1874-1930)

SHEVYAKOV, L.D., akademik, redaktor; ABAKUMOV, Ye.T., kandidat tekhnicheskikh nauk, redaktpr; GEYER, V.G., doktor tekhnicheskikh nauk, redaktpr; LIIMN, G.D., doktor tekhnicheskikh nauk, redaktor OGLOBLIN, D.N., doktor tekhnicheskikh nauk, redaktor; OSTROVSKIY, S.B., redaktor; PAK, V.S., redaktpr; SAVIN, G.N. redaktor; SKOCHINSKIY, A.A., akademik redaktor; SUDOPLATOV, A.P., doktor tekhnicheskikh nauk, redaktor; TERPIGOREV, A.M., akademik redaktor; SICHERBAN', A.N., doktor tekhnicheskikh nauk, redaktor; TEPPLITSKIY, G.A., redaktor; KOROVENKOVA, Z.A., tekhnicheskiy redaktor; ANDREYEV, G.G., tekhnicheskiy redaktor

[Mining coal at great depths; proceedings of a conference held in Stalino, October 1953] Razrabotka ugol'nykh mestorozhdenii na bol'sikh glubinakh; trudy soveshchaniia v g. Stalino, oktabr' 1953 g. Moskva, Ugletekhizdat, 1955. 475 p. (MLRA 8:8)

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TEPLITSKIY, G.A.

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(Kuznetsk Basin--Coal mines and mining)

TEPLITSKIY, G.B.

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"Reflex anuria." R.K.Uglev. Reviewed by G.B.Teplytskii. Urologia
21 no.1:86-87 Ja-Mr '56.
(URINE--RETENTION)
(UGLEV, R.K.)
(MLRA 9:12)

~~TEPLITSKIY, G.B.~~

Some remarks on the diagnosis and therapy of papillary tumors of
the bladder. Urologiia, 22 no.1:44-46 Ja-F '57 (MLRA 10:5)

1. Iz vrachebno-sanitarnoy sluzhby (nachal'nik L.K. Shalavin)
Gor'kovskoy zheleznoy dorogi.
(BLADDER, neoplasms
papillary tumors, diag. & ther.)

TEPLITSKIY, G.B., dots. (Gor'kiy)

Urolithiasis in Dagestan. Urologija 23 no.2:32-35 Mr-Ap '58.
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in Russia, statist. (Rus))

TEPLITSKIY, G.B., dotsent (Gorkiy, ul. Burevestnik, 11, kv.1)

Surgery in the acute form of Werlhof's disease. Vest.khir. 83
no.12:33-37 D '59. (MIRA 13:5)

1. Iz khirurgicheskogo otdeleniya (zav. - G.A. Makhov) dorozhnoy
bol'nitsy Gor'kovskoy zheleznoy dorogi.
(PURPURA (PATHOLOGY))
(SPLEEN--SURGERY)

TEPLITSKIY, G.I., kandidat tekhnicheskikh nauk (Odessa, 1-y Kulikovskiy per., d.8, kv.1)

Treating an undescended testicle by regulated traction [with summary in English, p.158]. Vest.khir. 78 no.2:65-70 F '57. (MLRA 10:3)

1. Iz gospital'noy khirurgicheskoy kliniki (zaveduyushchiy - professor A.G.Sosenovskiy) Odesskogo meditsinskogo instituta.
(CRYPTORCHIDISM, surg.
regulated extension (Rus))

TEPLITSKIY, G.S.

Longwall configuration in using the filling system for working
pitching coal seams in the Kuznetsk Basin. Trudy Inst.gor.dela
3:13-19 '56. (MLRA 9:8)
(Kuznetsk Basin--Coal mines and mining)

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Calculation of transient filtration without pressure head
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USSR, TASHKENT STATE UNIV IM V. I. LENIN). (KL, 2-61,
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Trudy SANIIRI no. 05.18 33 60. (Miln 1951)
(Seepage)

TEPLITSKIY, I.S.

Unsteady seepage in a rectangular cofferdam during rapid sinking
of the water level in the forebay. Trudy SANIRI no.105:34-39
'60. (MIRA 15:5)

(Seepage)

(Cofferdams)

TEPLITSKIY, I.S.

Determination of seepage forces in calculating the stability
of the top slope of earth dams on impermeable foundations.

Trudy SANIIRI no.105:40-49 '60.

(MIRA 15:5)

(Seepage)

(Dams)

TEPLITSKIY, I.S.

Rigorous derivation of the discharge formula for the free flow
of ground water in a rectangular cofferdam under conditions
of infiltration. Trudy SANIIRI no.105:50-53 '60. (MIRA 15:5)
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(Coffer dams)

TEPLITSKIY, I.S.

Unsteady seepage from a body of water through an inclined bank.
Trudy SANIIRI no.105:54-60 '60. (MIRA 15:5)
(Seepage) (Coasts)

TEPLITSKIY, I.S.

Efficient development of multilayered gas fields. Gaz. prom. 9 no.5:
8-11 '64. (MIRA 17:6)

TEPLITSKIY, L. M.

25960 Teplitskiy, L. M. Dva sluchaya udvoyeniya uretry. Sboriik nauch. rabot lecheb. uchrezhdeniy Mosk. Voyen. okr. Gor'kiy, 1948, s. 163-65.

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25961 Teplitskiy, L. M. Sluchay anomalii sosudov pochki. Sbornik nauch. rabot leueb. uchrezhdeniya Mosk. Voyen. okr. Gor'kiy, 1948, s. 166-68

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948

TEPLITSKIY¹⁵⁷⁸

600

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2. USSR (600)
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7. Prolapse of urethral mucosa., Akush. i gin., no. 1, 1952.
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UNCLASSIFIED

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[Radio equipment tests] Ispytaniia radioapparatury. Mo-
skva, Energiia, 1965. 439 p. (MIRA 18:8)

S/128/61/000/012/004/034
A004/A127

AUTHORS: Kurdyumov, A.V.; Teplitskiy, M.D.

TITLE: The effect of the melting conditions on the quality of Sp. AMu 9-2
(Br. AMts. 9-2) bronze

PERIODICAL: Liteynoye proizvodstvo, no. 12, 24 - 26 - D '61

TEXT: Since hitherto no standard technology of smelting aluminum bronze had been in existence, special investigations were carried out to establish the effect of the melting conditions on the properties of Br. AMts 9-2 bronze. These tests were carried out at the Institut tsvetnykh metallov im. M.I. Kalinina (Institute of Non-Ferrous Metals im. M.I. Kalinin) and aimed at determining the effect of the succession of adding the charge constituents on the contamination of the melt by nonmetallic inclusions and the mechanical properties. Besides, the purity of the alloy was studied when 50% each of pure metal and waste or only waste was used. Moreover, the Institute investigated the effect of various fluxes on the melt impurity, mechanical properties and metal losses with the slag when the charge constituents were added in different succession. The following fluxes were tested: borax, cryolite, the eutectic alloy of calci-

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The effect of the melting conditions on....

S/128/61/050/012/004/004
A004/A127

um and magnesium fluorides and carbon cover. The contamination by nonmetallic impurities was compared for melting in electric and gas furnaces. The starting materials were pure aluminum and copper and a copper-manganese foundry alloy, containing 20% manganese. The charge weight was 3 - 5 kg. Melting was carried out in a graphite-chamotte crucible in a Silit furnace. The contamination of the melt by nonmetallic and oxide inclusions was checked by the Dobatkin and Zinov'yev test (Ref. 3: V.I. Dobatkin, V.K. Zinov'yev, "Zavodskaya laboratoriya", no. 4, 1955). Ingots 40 mm in diameter and 200 mm long were cast in a graphite mold. Specimens were cut out from the ingots and upset under a forging hammer and the oxide inclusions determined by the fracture, where they showed as gray-brown stains. The mechanical properties were determined on cast and turned specimens. The test results showed that in order to obtain a Br. AMts.9-2 bronze with a minimum contamination by nonmetallic impurities, high mechanical properties and low metal losses with the slag, it is necessary to melt this bronze under a flux layer, either cryolite or calcium and magnesium fluoride alloys in the order copper - foundry alloy (copper - manganese) - aluminum. If melting is carried out without protective cover or under a charcoal cover, it is not admissible to add the aluminum to the molten copper prior to manganese, since this would result in a considerable contamination of the bronze.

Card 2/3

The effect of the melting conditions on....

S/128/61/000/012, 004/004
A004/A127

by oxide inclusions. If the bronze is melted from waste it is necessary to melt the copper, then to add the necessary amount of manganese or copper manganese foundry alloy, and only thereupon the waste and aluminum. The use of charcoal as protective layer during the melting of Br. AMts 9-2 bronze is practically useless. There are 3 figures, 2 tables and 3 Soviet-block references.



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TEPLITZKIY, M.G.

Sov 1659

PLATE 1 BOOK INFORMATION

Academy of Sciences SSSR, Alma-Ata

Investigation of the Physical Processes of Operational Processes of Combustion Chambers and Furnaces. Institute of Technology ASK, 1957. 359 p. 800 copies printed.

Additional Sponsor: Academy of Sciences Alma-Ata. Kazakhstan government University in S.M. Kirov.

Dr. (title page), L.D. Vasil'ev, Doctor of Technical Sciences, Professor; Mr. (inside book); B.M. Glazyrin; Tech. Ed.; Z.P. Korobina. Report: this book is intended for a wide circle of scientists and industrial engineers.

COVERAGE: The twenty-nine articles of this collection report on experimental and theoretical investigations of different individual phenomena which constitute an integral part of the complex operational processes of modern combustion engineering equipment. In addition, the entire process applicable to different types of burners and furnaces (cyclone combustion chambers, swirl burners, burners with automatic starters etc.). Articles in Part I treat laminar and turbulent jets of liquids and compressible gas. Part II reviews methods of modeling combustion processes (light, ignitable and electrical), enthalpy, temperature measurements, etc. Part III relates to different problems and theories of fuel combustion and special operational features of combustion and furnace equipment. No personal names are mentioned.

Vasil'ev, L.D. Synopsis of the Elementary Theory of Mass Combustion	321
Petrovskiy, V.V. Some Special Features of Air Coal Combustion	345
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